

38 ~~42~~ <sup>33</sup> The three dimensional display of claim ~~37~~, wherein the distance between the anodes of the green light emitting elements is twice the length of one side of a pixel.

39 ~~43~~ <sup>34</sup> The three dimensional display of claim ~~38~~, wherein the distance between the anodes of the blue light emitting elements is twice the length of one side of a pixel.

40 ~~44~~ <sup>35</sup> The three dimensional display of claim ~~39~~, wherein the distance between the first cathode and the second cathode is twice the length of one side of a pixel.

B5 41 ~~45~~ <sup>23</sup> The three dimensional display of claim ~~26~~, wherein the controller controls the color, intensity and duration of the light emitted by the light emitting elements.

42 ~~46~~ <sup>23</sup> The three dimensional display of claim ~~26~~, wherein the controller receives an input image that is coded in a three dimensional coordinate system.

43 ~~47~~ <sup>42</sup> The three dimensional display of claim ~~46~~, wherein the input image is received from one of a computer, television signal receiver, cable system receiver, satellite receiver, and a storage medium.

44 ~~48~~ <sup>42</sup> The three dimensional display of claim ~~46~~, wherein the control system pixelizes the input image for reproduction by the three dimensional display.

B6 45 ~~49~~ <sup>23</sup> The three dimensional display of claim ~~26~~, wherein the light emitting elements are formed into a matrix having a cube shape.

#### REMARKS

Claims 2, 4-24, 26, and 28-49 are pending in the present application. By this Response, claims 1, 3, 25 and 27 are canceled and 2, 19, 24, 26, 45, 46 and 49 are amended. Claims 2 and 26 are amended to place them in independent form by incorporating the subject matter of claims 1 and 25, respectively, and to incorporate the

allowable subject matter of claims 3 and 27, respectively. Claims 19, 24, 45, 46 and 49 are amended to correct their dependency in view of the cancellation of claims 1 and 25. Reconsideration of the claims in view of the above amendments and the following remarks is respectfully requested.

**I. Allowable Subject Matter**

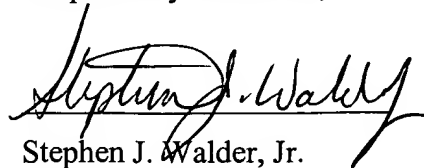
Applicant thanks Examiner Nguyen for the indication of allowable subject matter in claims 3-5, 9-18, 27-30 and 34-44. By this Response, claims 2 and 26 are amended to be in independent form and to include the allowable subject matter of claims 3 and 27. Accordingly, it is Applicant's understanding that all of the claims are now in condition for allowance. Applicant respectfully requests withdrawal of the outstanding rejections and allowance of the application in view of the amendments to claims 2 and 26 from which claims 4-24 and 28-49 depend.

**II. Conclusion**

It is respectfully urged that the subject application is now in condition for allowance. The Examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the Examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

DATE: December 4, 2002

Respectfully submitted,



Stephen J. Walder, Jr.  
Reg. No. 41,534  
Carstens, Yee & Cahoon, LLP  
P.O. Box 802334  
Dallas, TX 75380  
(972) 367-2001  
Attorney for Applicant

## APPENDIX OF CLAIM AMENDMENTS

Please cancel claims 1, 3, 25 and 27 without prejudice or disclaimer.

Please amend claims 2, 19, 24, 26, 45, 46 and 49 as follows:

2. [The three dimensional display of claim 1] A three dimensional display, comprising:

a three dimensional matrix of light emitting elements capable of generating images in three dimensions; and

a base coupled to the three dimensional matrix, the base having electrical circuitry for powering and controlling the three dimensional matrix, wherein the light emitting elements are pixels, and wherein each of the pixels has a red light emitting element, a green light emitting element, and a blue light emitting element, and wherein the red light emitting element, green light emitting element and blue light emitting element each include a cell having an anode, a cathode, a gas volume and a phosphorus material.

19. The three dimensional display of claim [1] 2, further comprising a control system that controls which of the light emitting elements in the three dimensional matrix are illuminated.

24. The three dimensional display of claim [1] 2, wherein the three dimensional matrix has a cube shape.

26. [The three dimensional display of claim 25] A three dimensional display, comprising:

a plurality of three dimensional light emitting elements configured into a three dimensional matrix of light emitting elements that emits light in three dimensions; and

a controller that controls the operation of the light emitting elements to generate a three dimensional image, wherein the light emitting elements are pixels, and wherein each of the pixels has a red light emitting element, a green light emitting element, and a blue light emitting element, and wherein the red light emitting element, green light

emitting element and blue light emitting element each include a cell having an anode, a cathode, a gas volume and a phosphorus material.

45. The three dimensional display of claim [25] 26, wherein the controller controls the color, intensity and duration of the light emitted by the light emitting elements.

46. The three dimensional display of claim [25] 26, wherein the controller receives an input image that is coded in a three dimensional coordinate system.

49. The three dimensional display of claim [25] 26, wherein the light emitting elements are formed into a matrix having a cube shape.